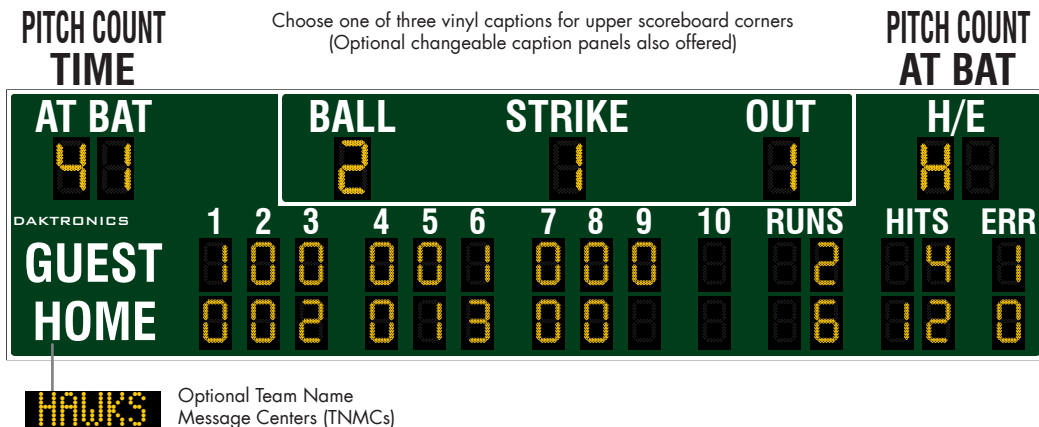


DAKTRONICS BA-2025 PRODUCT SPECIFICATIONS



This outdoor LED baseball/softball scoreboard displays HOME and GUEST team scores for up to 10 innings, total RUNS and HITS to 99 and ERR (errors) to nine for each team, AT BAT to 99, BALL to three, STRIKE to two, OUT to two and H/E (hit or error) with field position number for the error. Scoreboard can show TIME or PITCH COUNT instead of AT BAT, as well as AT BAT or PITCH COUNT in place of H/E. Scoreboard shown with optional striping and amber PanaView® digits.

DIMENSIONS	# OF SECTIONS	UNCRATED WEIGHT	POWER (120 VAC)
7'-0" H x 27'-0" W x 8" D (2.13 m, 8.23 m, 203 mm)	Two Total	945 lb (429 kg)	900 Watts, 7.5 Amps
3'-0" H x 27'-0" W x 8" D (914 mm, 8.23 m, 203 mm)	Top	405 lb (184 kg)	
4'-0" H x 27'-0" W x 8" D (1.22 m, 8.23 m, 203 mm)	Bottom	540 lb (245 kg)	

Notes:

- 1) Models with 240 VAC power at half the indicated amperage are also offered (International Use Only).
- 2) Optional TNMCs add 300 Watts to scoreboard power and 80 lb (36 kg) to weight of bottom scoreboard section.

DIGITS

- AT BAT, BALL, STRIKE, OUT and H/E digits are 18" (457 mm) high. All other digits are 15" (381 mm) high.
- Select all red or all amber LED digits. Scoreboard may instead have mixed LED digit colors (see [DD1965467](#)).
- Scoreboard features robust weather-sealed digits (see [DD2495646](#)).
- Digits may be dimmed for night viewing.

CAPTIONS

- HOME and GUEST captions are 12" (305 mm) high. AT BAT, BALL, STRIKE, OUT and H/E captions are 10" (254 mm) high. All other captions are 8" (203 mm) high.
- Standard captions are vinyl, applied directly to the display face.
- Optional TNMCs are 10.6" (269 mm) high.

DISPLAY COLOR

Choose from 150+ colors (from Martin Senour® paint book) at no additional cost.

CONSTRUCTION

Alcoa aluminum alloy 5052 for excellent corrosion resistance

PRODUCT SAFETY APPROVAL

ETL listed to UL Standards 48 and 1433; tested to CSA standards and CE labeled for outdoor use

OPERATING TEMPERATURES

- Display: -22 to 122° Fahrenheit (-30 to 50° Celsius)
- Console: 32 to 130° Fahrenheit (0 to 54° Celsius)

WWW.DAKTRONICS.COM E-MAIL: SALES@DAKTRONICS.COM

201 Daktronics Drive, PO Box 5128, Brookings, SD 57006
Phone: 1-800-325-8766 or 605-692-0200 Fax: 605-697-4746
DD1969963 051013 Page 1 of 6



DAKTRONICS BA-2025 PRODUCT SPECIFICATIONS

CONTROL CONSOLE

All Sport® 5000
(see [SL-03991](#))

CONTROL OPTIONS

Wired (standard): One-pair shielded cable of 22 AWG minimum is required. A cover plate with mounted connector and standard 2" x 4" x 2" (51 mm x 102 mm x 51 mm) outlet box is provided. Connector mates with signal cable from control console.

Wireless (optional): 2.4 GHz spread spectrum radio features 64 non-interfering channels and 8 broadcast groups (see [SL-04370](#)).

TIME CLOCK

The two-digit clock can display hours/minutes/seconds. Clock information shifts from hours to minutes to seconds as time counts down.

MOUNTING

Scoreboard is typically mounted on two or three vertical beams that require specific spacing. Hardware to mount scoreboard on three beams is included; hardware for more beams is at additional cost. Standard mounting uses I-beam clamps. Optional mounting method using angle brackets is also offered; maximum beam width is 12" (305 mm) and maximum beam depth is 22" (559 mm). Refer to attached drawings for more information on mounting methods. For mounting to horizontal beams, contact your Daktronics representative for more information.

SERVICE ACCESS

Digit panels and electronics are serviced from either the front or rear of the scoreboard.

GENERAL INFORMATION

Scoreboard provides scoring capabilities for two teams. 100% solid state electronics are housed in an all aluminum cabinet. Scoreboard is shipped in two sections. Specifications and pricing are subject to change without notice.

OPTIONS & ACCESSORIES

- Scoreboard border striping
- Striping around BALL, STRIKE and OUT digits
- TIME, AT BAT or PITCH COUNT captions on changeable panels
- Multiple caption and striping colors (see [DD2101644](#))
- Team name caption in place of HOME *
- Team names on changeable panels *
- Programmable Team Name Message Centers (see [DD1696958](#))
- Individual digit protective screens (see [SL-04939](#))
- Protective netting
- Optional angle bracket mounting method
- Advertising/identification panels
- Decorative accents
- Electronic message centers and video displays in multiple sizes

* Only for scoreboard without Team Name Message Centers

ADVERTISING/IDENTIFICATION PANELS

Backlit & Non-Backlit:

- 1'-6" H x 27'-0" W (457 mm, 8.23 m)
- 2'-0" H x 27'-0" W (610 mm, 8.23 m)
- 2'-6" H x 27'-0" W (762 mm, 8.23 m)
- 3'-0" H x 27'-0" W (914 mm, 8.23 m)
- 4'-0" H x 27'-0" W (1.22 m, 8.23 m)

For additional non-backlit panel sizes, see [SL-03761](#).

FOR ADDITIONAL INFORMATION

- Installation Specifications: DWG-1045893 (attached)
- Standard I-beam Mounting: DWG-1052565 (attached)
- Optional Pole Mounting: DWG-1048184 (attached)
- Component Locations: DWG-1049221 (attached)
- Architectural Specifications: See [DD1969955](#)
- Installation Manual: See [DD1969938](#)
- Service Manual: See [DD2124597](#)

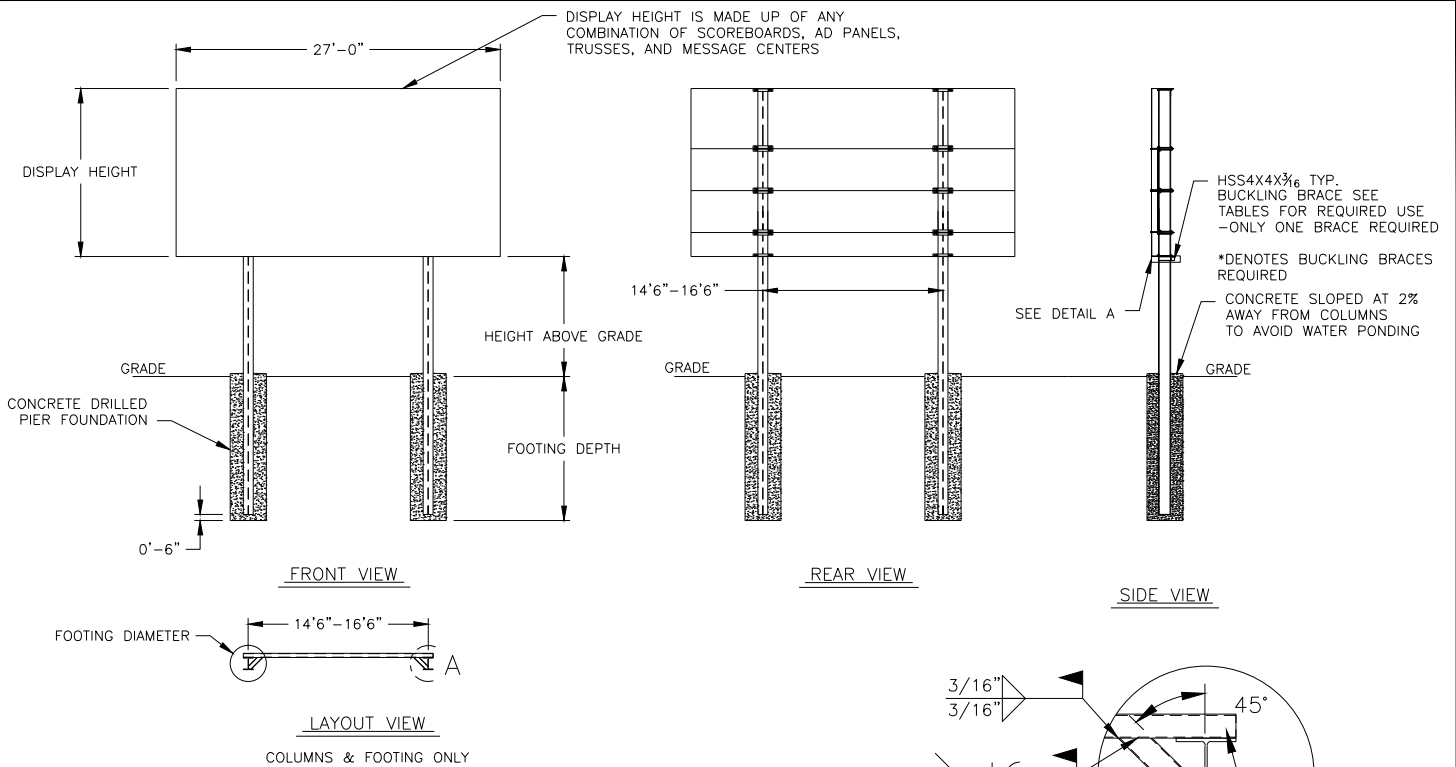


TABLE A - MOUNTING

EXPOSURE B

HEIGHT ABOVE GRADE = 10'					HEIGHT ABOVE GRADE = 15'				
DISPLAY HEIGHT (FT)		DESIGN WIND VELOCITY			DISPLAY HEIGHT (FT)		DESIGN WIND VELOCITY		
		90 MPH	110 MPH	130 MPH			90 MPH	110 MPH	130 MPH
8	COLUMN FOOTING	W14X30 3.0'X8.5'	W16X36 3.0'X10'	W14X43 3.0'X11.5'	8	COLUMN FOOTING	W14X40 3.0'X9.5'	W12X50 3.0'X11'	W12X58 3.0'X12.5'
10	COLUMN FOOTING	W14X38 3.0'X9.5'	W14X43 3.0'X11'	W14X53 3.0'X12.5'	10	COLUMN FOOTING	W12X50 3.0'X10.5'	W12X58 3.0'X12.5'	W16X67 3.0'X15'
12	COLUMN FOOTING	W14X43 3.0'X10.5'	W14X53 3.0'X12'	W14X61 3.0'X14.5'	12	COLUMN FOOTING	W12X53 3.0'X11.5'	W16X67 3.0'X14'	W18X86 3.0'X17'
14	COLUMN FOOTING	W12X50 3.0'X11.5'	W14X61 3.0'X13.5'	W14X74 3.0'X16.5'	14	COLUMN FOOTING	W14X48* 3.0'X12.5'	W16X67* 3.0'X15.5'	W18X76* 3.0'X19'
16	COLUMN FOOTING	W12X58 3.0'X12'	W16X67 3.0'X15'	W18X86 3.0'X18.5'	16	COLUMN FOOTING	W12X58* 3.0'X13.5'	W16X67* 3.0'X17.5'	W18X86* 4.0'X18'
18	COLUMN FOOTING	W16X45* 3.0'X13.0'	W14X68* 3.0'X16.5'	W18X76* 4.0'X17.5'	18	COLUMN FOOTING	W14X61* 3.0'X15'	W18X76* 3.0'X19'	W18X97* 4.0'X19.5'
20	COLUMN FOOTING	W14X53* 3.0'X14.5'	W16X87* 3.0'X18.5'	W18X97* 4.0'X19'	20	COLUMN FOOTING	W14X74* 3.0'X16.5'	W18X86* 4.0'X17.5'	W18X119* 4.0'X21.5'

FOOTING DIMENSIONS = DIAMETER X DEPTH
*DENOTES BUCKLING BRACE REQUIRED

NOTES:

1. FOOTING AND COLUMN SIZES ARE SUGGESTIONS ONLY, PROVIDED TO ASSIST WITH ESTIMATING INSTALLATION COSTS AND ARE NOT INTENDED FOR CONSTRUCTION PURPOSES. THE DESIGN MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE INSTALLATION BEFORE THEY CAN BE USED FOR FABRICATION OR ERECTION.
2. INTERNATIONAL BUILDING CODE 2006 USED IN DESIGN OF COLUMNS AND FOOTINGS WITH IMPORTANCE FACTOR=1, Kzt=1.0, Kd=0.85, G=0.85. SEISMIC DESIGN WAS NOT CONSIDERED.
3. FOOTING DIMENSIONS ARE BASED ON ASSUMED SOIL CLASS 4 (ALLOWABLE LATERAL BEARING PRESSURE OF 150 psf).
4. STRUCTURAL STEEL IS GRADE A992 (50 ksi) STEEL. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 psi.
5. THE AVERAGE DISPLAY WEIGHT FOR A LAYOUT CAN NOT EXCEED 8 PSF.
6. DAKTRONICS INC. IS NOT RESPONSIBLE FOR STRUCTURES DESIGNED AND INSTALLED BY OTHERS.
7. REFER TO DAKTRONICS DRAWING 1407-E07B-299257 FOR DETAILS OF DISPLAY MOUNTING TO COLUMNS.
8. LOCAL BUILDING OFFICIALS SHOULD BE CONTACTED TO DETERMINE THE WIND SPEED AND EXPOSURE CATEGORY FOR THE PROPOSED SIGN LOCATION. THE EXPOSURE CATEGORIES B AND C ARE DEFINED AS:

EXPOSURE B - URBAN AND SUBURBAN AREAS, WOODED AREAS, OR OTHER TERRAIN WITH NUMEROUS CLOSELY SPACED OBSTRUCTIONS HAVING THE SIZE OF SINGLE-FAMILY DWELLINGS OR LARGER. THESE CONDITIONS MUST PREVAIL FOR A DISTANCE FROM THE SIGN OF AT LEAST 2,600 ft OR 20 TIMES THE SIGN HEIGHT, WHICHEVER IS GREATER

EXPOSURE C - OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY LESS THAN 30 FT. THIS CATEGORY INCLUDES FLAT OPEN COUNTRY, GRASSLANDS, AND ALL WATER SURFACES IN HURRICANE PRONE REGIONS.
9. FOR SPECIFIC PRODUCT DETAILS ON WEIGHT, MOUNTING, ETC. REFER TO THE INDIVIDUAL PRODUCT SPECIFICATION SHEETS.

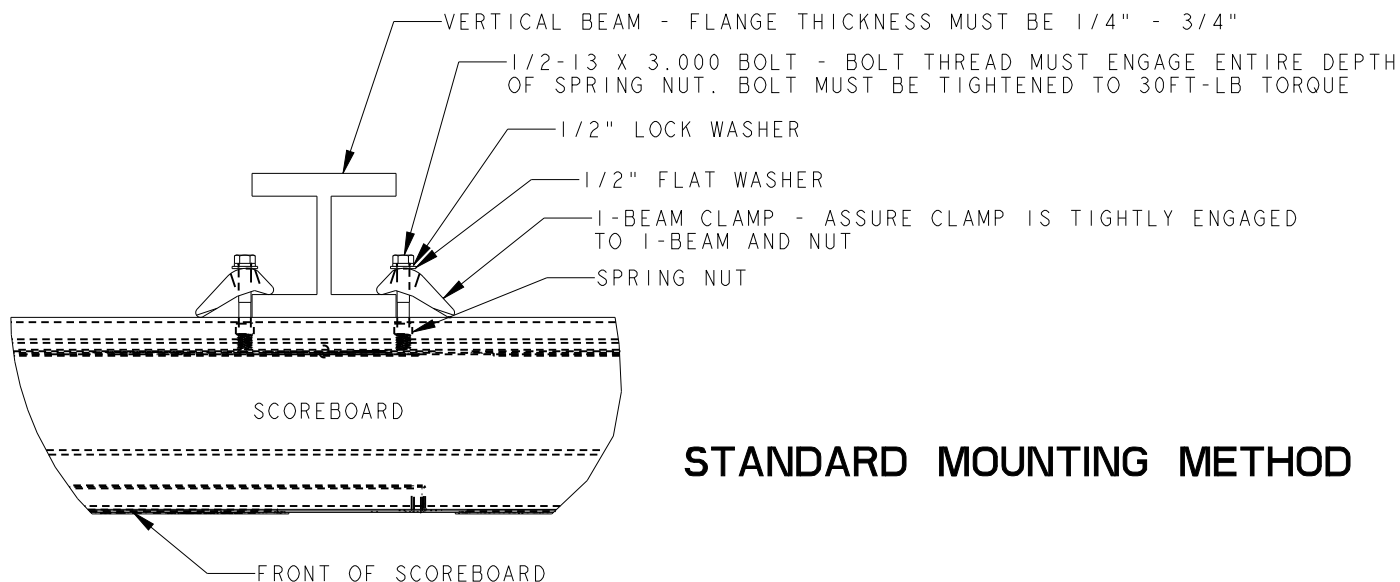
EXPOSURE C

HEIGHT ABOVE GRADE = 10'				HEIGHT ABOVE GRADE = 15'			
DISPLAY HEIGHT (FT)		DESIGN WIND VELOCITY		DISPLAY HEIGHT (FT)		DESIGN WIND VELOCITY	
		90 MPH	110 MPH			90 MPH	110 MPH
8	COLUMN FOOTING	W16X36 3.0'X10'	W14X43 3.0'X11.5'	8	COLUMN FOOTING	W14X48 3.0'X11'	W12X58 3.0'X13'
10	COLUMN FOOTING	W14X43 3.0'X11'	W14X53 3.0'X13'	10	COLUMN FOOTING	W12X53 3.0'X12'	W16X67 3.0'X15'
12	COLUMN FOOTING	W14X53 3.0'X12'	W14X61 3.0'X14.5'	12	COLUMN FOOTING	W12X65 3.0'X13.5'	W18X86 3.0'X17'
14	COLUMN FOOTING	W14X43* 3'X13'	W14X68* 3'X17'	14	COLUMN FOOTING	W14X61* 3.0'X15'	W18X76* 3.0'X19.5'
16	COLUMN FOOTING	W14X53* 3'X14.5'	W16X77* 3'X19'	16	COLUMN FOOTING	W16X67* 3'X16.5'	W18X86* 4'X18'
18	COLUMN FOOTING	W16X57* 3'X16'	W16X89* 4'X17.5'	18	COLUMN FOOTING	W18X76* 4'X15.5'	W18X97* 4'X19.5'
20	COLUMN FOOTING	W16X67* 3'X17.5'	W18X97* 4'X19'	20	COLUMN FOOTING	W18X76* 4'X16.5'	W18X119* 4'X21.5'

FOOTING DIMENSIONS = DIAMETER X DEPTH
*DENOTES BUCKLING BRACE REQUIRED

NOTE:
-REFER TO NOTE 8 FOR EXPOSURE CATEGORY DEFINITIONS.

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		DO NOT SCALE DRAWING	
PROJ: OUTDOOR SCOREBOARD INSTALLATION			
TITLE: 27' WIDTH SCOREBOARD INSTALLATION SPECS			
DESIGN: BELSASS		DRAWN: BELSASS	
SCALE: 1/16" = 1'		DATE: 24 FEB 11	
REV 01	DATE: 26 OCT 11	ADDED "ONLY ONE BRACE REQUIRED" NOTE	BY: KDD
SHEET 01		JOB NO: P1647	
REV 01		FUNC-TYPE-SIZE: F-10-A	
1045893			

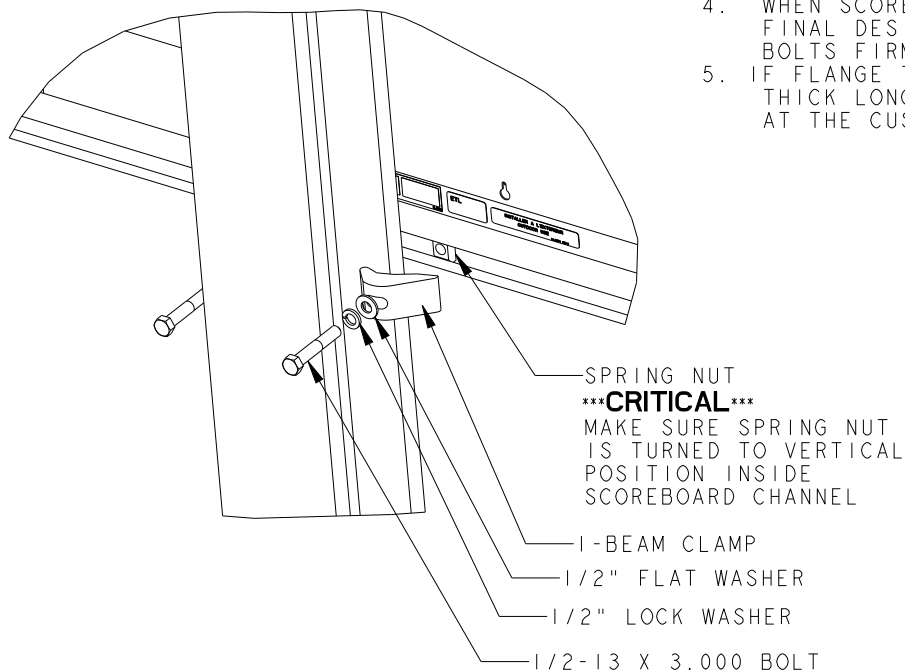


TOP VIEW


STANDARD MOUNTING METHOD

MOUNTING INSTRUCTIONS:

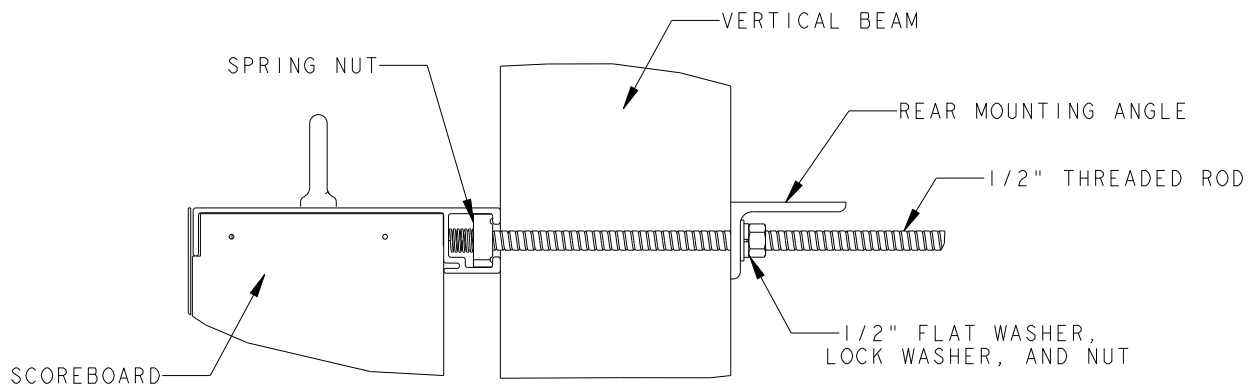
1. PLACE SPRING NUTS INTO SCOREBOARD CHANNEL IN APPROXIMATE LOCATION OF VERTICAL BEAMS
2. LIFT SCOREBOARD INTO POSITION
3. MAKE SURE THE 1/2-13 BOLTS ARE AS CLOSE TO THE I-BEAM FLANGES AS POSSIBLE
4. WHEN SCOREBOARD IS ADJUSTED TO FINAL DESIRED POSITION, TIGHTEN BOLTS FIRMLY
5. IF FLANGE THICKNESS IS MORE THAN 3/4" THICK LONGER BOLTS WILL BE REQUIRED AT THE CUSTOMER'S EXPENSE.



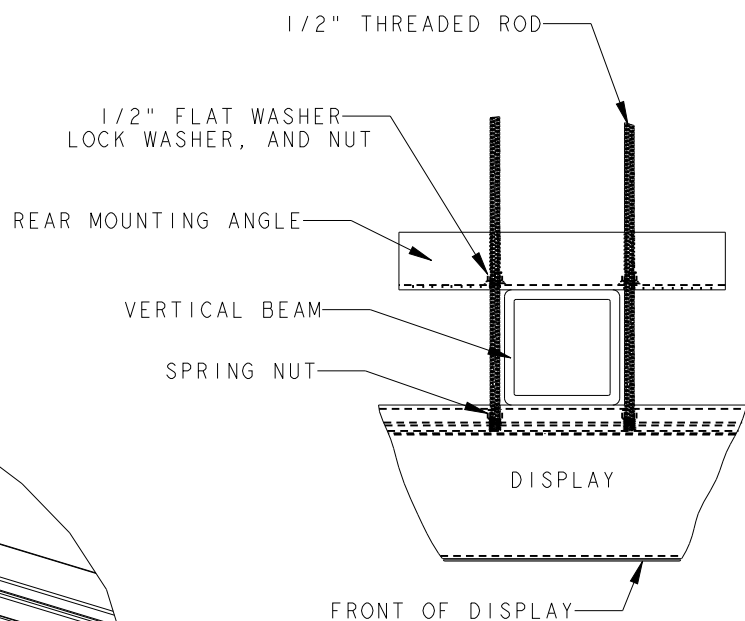
EXPLODED REAR ISOMETRIC VIEW

 DAKTRONICS, INC. BROOKINGS, SD 57006 DO NOT SCALE DRAWING		THE CONCEPTS EXPRESSED AND DETAILS SHOWN ON THIS DRAWING ARE CONFIDENTIAL AND PROPRIETARY. DO NOT REPRODUCE BY ANY MEANS WITHOUT THE EXPRESSED WRITTEN CONSENT OF DAKTRONICS, INC. COPYRIGHT 2011 DAKTRONICS, INC.	
PROJ: OUTDOOR SCOREBOARD			
TITLE: P1647; I-BEAM CLAMP MOUNTING			
DESIGN: MCARSRU		DRAWN: MCARSRU	
SCALE: 1/8		DATE: 07-MAR-12	
SHEET: 1 OF 1	REV: 02	JOB NO: P 1647	FUNC-TYPE-SIZE: E - 07 - A
1052565			1052565

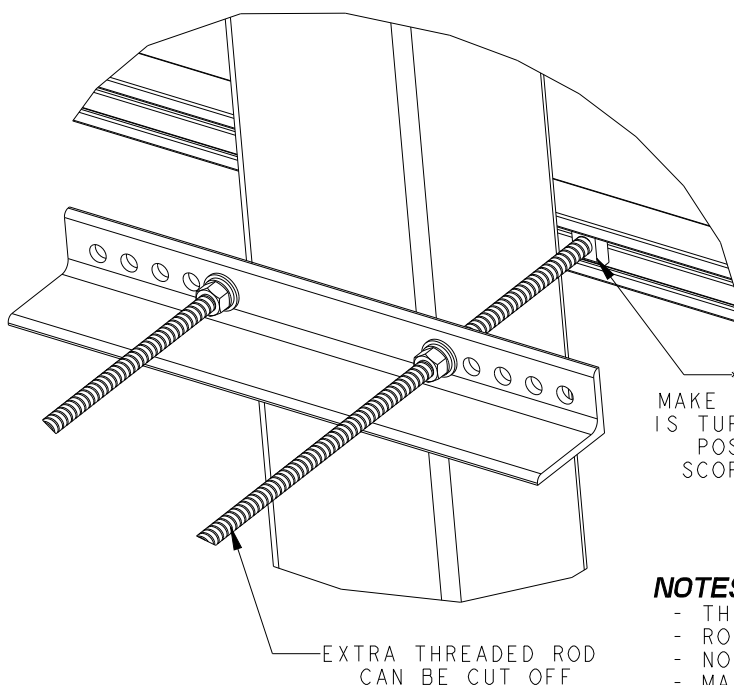
02	07 MAR 12	ADDED STADNARD MOUNTING METHOD NOTES	KDD
01	21 FEB 12	CHANGED ROCKER TO I-BEAM	KDD
REV	DATE:		BY:



SIDE VIEW



**TOP VIEW
SCALE 1/10**




REAR ISOMETRIC VIEW

*****CRITICAL*****
MAKE SURE SPRING NUT
IS TURNED TO VERTICAL
POSITION INSIDE
SCOREBOARD CHANNEL

NOTES:

- THREADED RODS RUN ALONG BOTH SIDES OF BEAM
- RODS DO NOT PASS THROUGH THE FLANGES OF THE BEAM
- NO DRILLING NECESSARY
- MAKE SURE SPRING NUT IS PERPENDICULAR TO CHANNEL OPENING ON SCOREBOARD

		DAKTRONICS, INC.		THE CONCEPTS EXPRESSED AND DETAILS SHOWN ON THIS DRAWING ARE CONFIDENTIAL AND PROPRIETARY. DO NOT REPRODUCE BY ANY MEANS WITHOUT THE EXPRESSED WRITTEN CONSENT OF DAKTRONICS, INC. COPYRIGHT 2010 DAKTRONICS, INC.	
		BROOKINGS, SD 57006			
DO NOT SCALE DRAWING					
PROJ: OUTDOOR SCOREBOARDS					
TITLE:PI647; POLE MOUNTING OPTIONS					
DESIGN: DOPPELT		DRAWN: DOPPELT		DATE: 22 MAR 11	
SCALE: 1/5					
SHEET:		REV	JOB NO:	FUNC-TYPE-SIZE	1048184
1 OF 1		02	PI647	E-10-A	

REV 02	DATE: 20 SEP 12	REMOVED CHAMFER FROM 0M-133259 PER EC-7114	BY: LMG	
REV 01	DATE: 06 OCT 11	REPLACED VERTICAL I-BEAM WITH 6" X 6" SQUARE TUBE	BY: JAVA	

REV 01 DATE: 04 FEB 13 PER EC-9264, ADDED OPTIONAL CAPTION NOTES BY: KUD

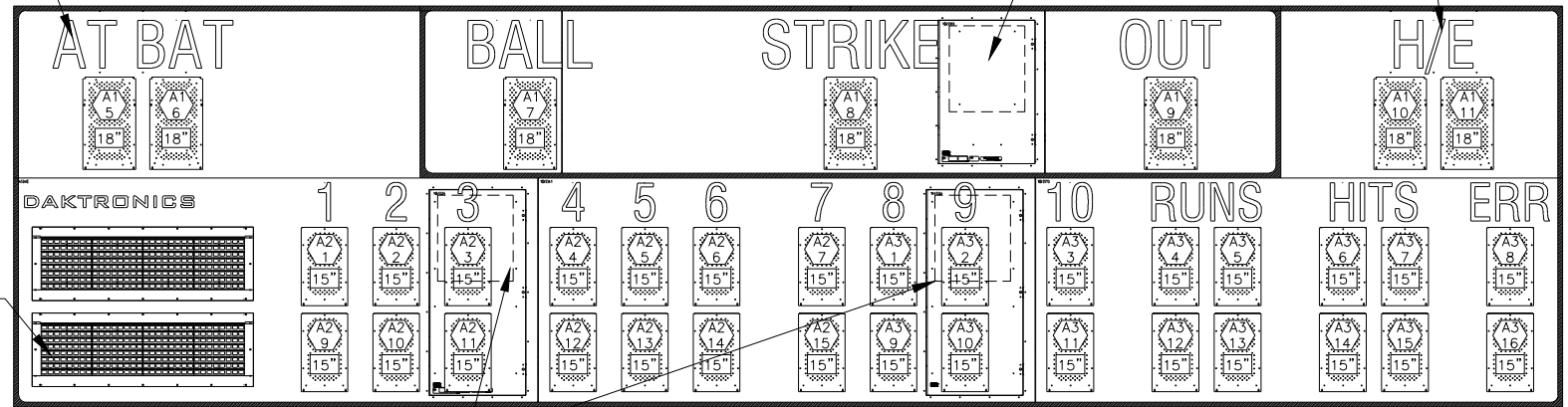
OPTIONAL TIME OR PITCH COUNT CAPTION

BA-2025-R/-A

SEE DETAIL A (MASTER DRIVER) @1

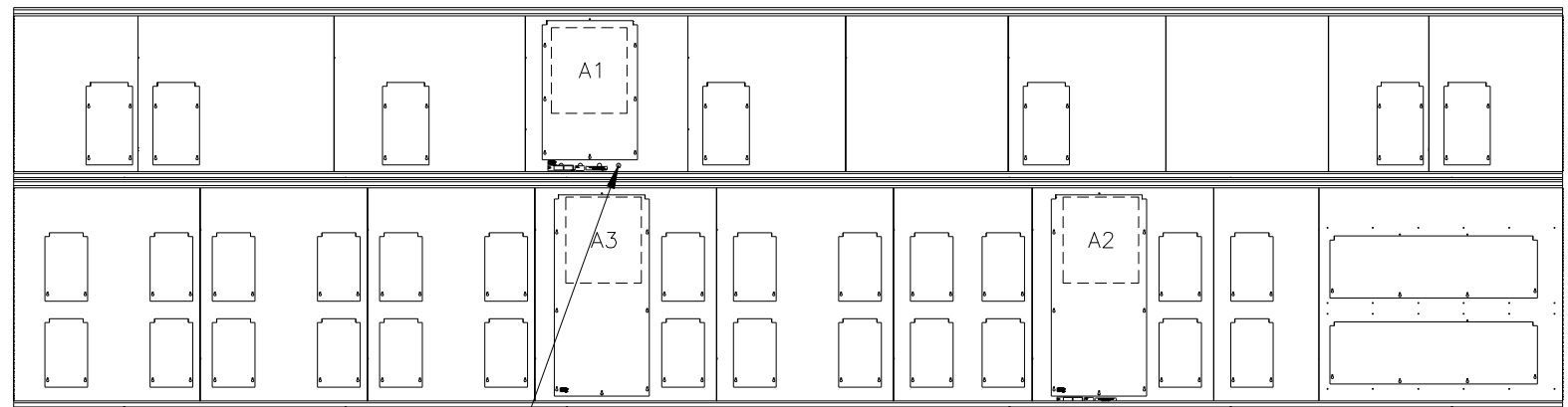
OPTIONAL AT BAT OR PITCH COUNT CAPTION

OPTIONAL TNMCS 8X32-34mm



SEE DETAIL B (SLAVE DRIVER) @2

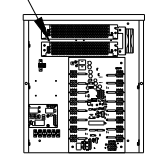
FRONT VIEW



KNOCKOUTS FOR 1/2" CONDUIT

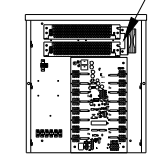
REAR VIEW

ENCLOSED 16 COLUMN MASTER LED DRIVER AND POWER/SIGNAL ENCLOSURE @1. (THE COVER HAS BEEN REMOVED TO SHOW THE ENCLOSURE COMPONENT DETAIL)



DETAIL A SCALE 1=20

ENCLOSED 16 COLUMN SLAVE LED DRIVER AND POWER/SIGNAL ENCLOSURE @1. (THE COVER HAS BEEN REMOVED TO SHOW THE ENCLOSURE COMPONENT DETAIL)



DETAIL B SCALE 1=20

(A1 5) = LED DRIVER NUMBER & LED DRIVER CONNECTOR WIRED TO THAT DIGIT

18" = DIGIT SIZE



DAKTRONICS, INC.
BROOKINGS, SD 57006

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PROJ: OUTDOOR LED SCOREBOARDS

TITLE: COMPONENT LOCATION: BA-2025-R/-A

DESIGN: KDRAGT DRAWN: KDRAGT

SCALE: 1=40

SHEET 02 REV 02 JOB NO: P1647 DATE: 06 APR 11

1049221